

AMENDMENTS TO THE SPECIFICATION**IN THE SPECIFICATION:**

At this stage, the target setup value of $P''_{\text{out}}/P_{\text{in}}$ is determined in accordance with the procedure explained in the first embodiment. The function of making the target average setup gain value variable in accordance with changes in the input intensity can be realized by varying the value of the electrical signal level $P_{\text{offset}}(P_{\text{in}})$ supplied by the gain-variation-level compensating circuit 22—circuit 22.